

Converting Colors

CIELCh(83, 2.258, 199.489)

Have a look what the booklet for
CIELCh(83, 2.258, 199.489) contains.

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Color

CIELCh(83, 2.160, 199.508)

Conversions

Conversions Part 1

Format	Color
Hex	CAD0D0
RGB	202, 208, 208
RGB Percent	79%, 82%, 82%
CMY	0.2082, 0.1846, 0.1847
CMYK	0.03, 0.00, 0.00, 0.18
HSL	180°, 6%, 80%
HSV	180°, 3%, 82%
XYZ	58.2423, 62.1629, 68.5466
YIQ	206.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

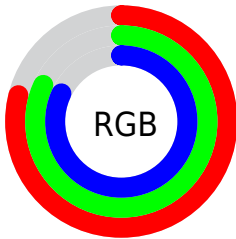
Format	Color
R_{YB}	202, 205, 208
Decimal	13291728
CIE _{Lab}	83.00, -2.04, -0.72
CIE _{LCh}	83, 2.160, 199.508
Yxy	62.1629, 0.3082, 0.3290
Android (android.graphics.Color)	4291481808 (0xFFCAD0D0)
YUV	206.2060, 0.8844, -3.6887
Hunter-Lab	78.8435, -6.1167, 3.6437

Details

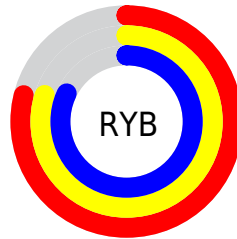
The CIELCh color `83, 2.160, 199.508` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `82, 2.202, 19.273`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 2.280, 199.394` is the 20% darker color. If you saturate the color by 10%, you get `82, 9.417, 198.723`, and if you desaturate by 10%, it is `85, 5.435, 19.660`.

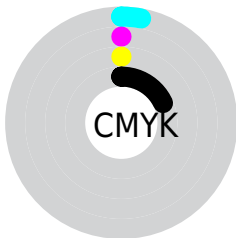
Distribution



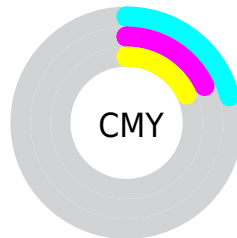
- Red (79%)
- Green (82%)
- Blue (82%)



- Red (79%)
- Yellow (80%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (21%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 2.160, 199.508 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 83, 2.160, 199.508 by changing the saturation by 10% instead.

■ 83, 2.160, 199.508

■ 83, 2.160, 199.508

■ 100, 2.160,
199.508

■ 73, 2.160, 199.508

■ 63, 2.160, 199.508

■ 53, 2.160, 199.508

■ 43, 2.160, 199.508

■ 33, 2.160, 199.508

■ 23, 2.160, 199.508

■ 13, 2.160, 199.508

■ 3, 2.160, 199.508

■ 0, 2.160, 199.508

83, 2.160, 199.508

83, 2.160, 199.508

82, 9.417, 198.723

85, 5.435, 19.660

80, 16.219,
198.204

86, 13.273, 20.314

79, 22.447,
197.749

87, 17.681, 20.652

87, 17.680, 20.632

78, 27.981,
197.354

87, 17.680, 20.612

77, 32.713,
197.021

87, 17.680, 20.593

87, 17.679, 20.573

77, 36.556,
196.754

87, 17.679, 20.553

76, 39.466,
196.552

87, 17.678, 20.533

76, 41.445,
196.413

■ 76, 42.563,
196.331

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83, 2.160, 199.508



82, 2.202, 19.273

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 2.160, 199.508



83, 2.160, 249.508



83, 2.160, 19.508



83, 2.160, 69.508

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83, 2.161, 199.460



100, 0.886, 200.049



83, 3.845, 143.910



53, 0.504, 200.091



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 2.161, 199.460



99, 2.650, 199.439



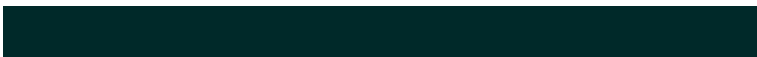
82, 1.891, 254.146



44, 1.704, 199.351



62, 36.727, 196.299



14, 14.043, 196.316

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82, 2.202, 19.273



98, 2.702, 19.295



83, 1.891, 73.044



43, 1.745, 19.388



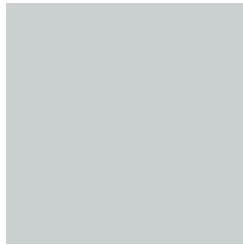
35, 76.431, 39.841



4, 20.018, 19.440

Previews

White Background



This preview shows how the CIELCh color 83, 2.160, 199.508 looks on a white background.

Color Contrast Check

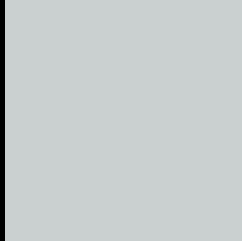
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 2.160, 199.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

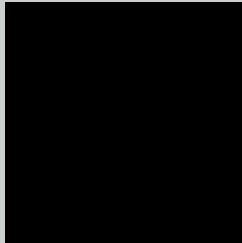
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

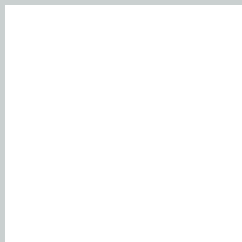
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 2.160, 199.508

Background



This preview shows how black text looks on a background with the CIELCh color 83, 2.160, 199.508.

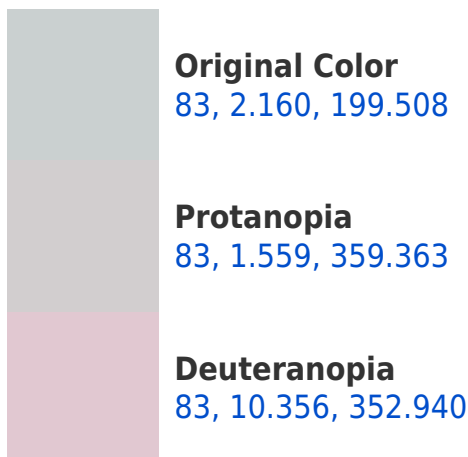


This preview shows how white text looks on a background with the CIELCh color 83, 2.160, 199.508.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
83, 8.481, 286.171

Trichromacy



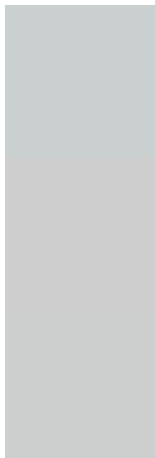
Original Color
83, 2.160, 199.508

Protanomaly
83, 0.010, 296.813

Deuteranomaly
83, 6.039, 348.179

Tritanomaly
83, 5.452, 275.588

Monochromacy



Original Color
83, 2.160, 199.508

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 0.723, 200.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 2.160, 199.508 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(202, 208, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 208, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 2.160, 199.508 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 208, 208) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(202, 208, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(202, 208, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(202, 208,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 2.160, 199.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 208, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
208, 208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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